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Claims:

Claim 1-9 (cancelled)

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Claim 10, rewrite as claim 10 (amended) as following:

10. (amended) A fixed wireless network extender (FWNE) device comprising:

one processor unit

a plurality of system buses

10   one control unit monitors and controls the performance of the radio units

a plurality of wireless networking radio units

a plurality wired networking units

wherein processor unit running system software and computer networking

software; and

15   wherein said system buses are computer system bus for networking device;

and

wherein said system buses are computer system bus for the interface device

of networking device; and

wherein said wireless networking radio units having function of wireless

20   networking with remote same type of wireless networking device; and

wherein said wireless networking radio units having function of sending and

receiving RF signal; and

Whereby said a plurality of wireless networking radio units are attached to

said system buses; and

25   Whereby said a plurality of wireless networking radio units may be attached to

said system buses via interface means; and

Whereby said a plurality of wired networking units are attached to said system

buses.

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11(previous presented). The FWNE device of claim 10 wherein the processor
    unit having networking features means for processing computer networking
    packets among said wireless networking radio units and wired networking
    units.

5   12(previous presented). The FWNE device of Claim 10 wherein having selective
    number and type of said wireless networking radio units for different
    networking applications.

    13(previous presented). The FWNE device of Claim 10 wherein said wireless
    networking radio units having same type and working at different RF

10   channels.

    14(previous presented). The FWNE device of Claim 10 wherein said wireless
    networking radio units having same type and working with different RF
    isolation means for avoiding self-interference.

    15(previous presented). The FWNE device of Claim 10 wherein the radio control

15   unit is an optional unit for said wireless network radio units needing
    additional hardware controls

    16(previous presented). The FWNE device of Claim 10 wherein said wireless
    networking radio units are built on the same PCB.

    17(previous presented). The FWNE device of Claim 16 wherein having

20   configuration means for turning on and off each said wireless networking
    radio units.

    18(previous presented). Apparatus according to claim 10 for interconnecting a
    plurality of networks, comprising:

    one said FWNE device of claim 10 having a plurality of said wireless

25   networking radio units; and

    communicating a plurality of said wireless networking radio units to remote
    correspondent wireless networking radio and the networks behind them;
    and

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said FWNE device performing as central networking feature means for the networking communication among all the said remote wireless networking radio and the networks behind them.

5   19(previous presented). Apparatus according to claim 18 wherein one of the said remote networks is the main network.

20(previous presented). Apparatus according to claim 10 for interconnecting a plurality of networks, comprising:

having a said FWNE device of claim 10 configured with a plurality of said

10   wireless networking radio units; and

communicating a plurality of said wireless networking radio units to remote correspondent wireless networking radio and the networks behind them; and

having a said FWNE device of claim 10 configured with a plurality of said

15   wired networking units; and

connecting a plurality of said wired networking units to correspondent wired networks; and

said FWNE device performing as central networking feature means for the networking communication among all the said remote wireless networking

20   radio and the networks behind them.

21(previous presented). Apparatus according to claim 20 wherein one of the said remote networks is main network.

22(previous presented). Apparatus according to claim 20 wherein one of the said wired networks is main network.